NSLS OHSAS Job Risk Assessment

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Name(s) of Risk Team Members: A. Borrelli, M. Buckley, B. Chmiel, T. Seda	**Point Value → Parameter ↓**	**1**	**2**	**3**	**4**	**5**
Job Title: **General Instrumentation/Test Equipment** **Job Number or Job Identifier:** **LS-JRA-0015**	**Frequency (B)**	**≤once/year**	**≤once/month**	**≤once/week**	**≤once/shift**	**>once/shift**
Job Description: Use of oscilloscopes, DVM, power spectrum analyzers, meters, frequency analyzers and other diagnostic test equipment.	**Severity (C)**	**First Aid Only**	**Medical Treatment**	**Lost Time**	**Partial Disability**	**Death or Permanent Disability**
Training and Procedure List (Optional):	**Likelihood (D)**	**Extremely Unlikely** <<1x/20yrs	**Unlikely** 1x/10-20yrs	**Possible** >1x/10-20yrs	**Probable** 1x/yr	**Multiple** >1x/yr
Approved by: **W.R. Casey** Date: **10/27/05** Rev. # **1** **Revision Log**						
Stressors (if applicable, please list all): N/A		**Reason for Revision (if applicable):**			**Comments:**	

		Before Controls							**After Initial Controls**						**After Additional Controls**					
Job Step / Task	**Hazard**	**Stressors Y/N**	**# of People A**	**Frequency B**	**Severity C**	**Likelihood D**	**Risk* AxBxCxD**	**Initial Controls**	**# of People A**	**Frequency B**	**Severity C**	**Likelihood D**	**Risk* AxBxCxD**	**Control(s) Added to Reduce Risk**	**# of People A**	**Frequency B**	**Severity C**	**Likelihood D**	**Risk* AxBxCxD**	**% Risk Reduction**
Reading of diagnostic instrument displays	Eyestrain/fatigue	N	1	5	2	2	20	Glare reducing monitor covers, ergonomic review, adequate area illumination, equipment maintenance	1	5	1	1	5							

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Energizing diagnostic equipment.	Electrical shock.	N	1	3	4	2	24	Listed or approved power strips, properly grounded equipment, Listed or approved diagnostic equipment, Tier 1 inspections, proper equipment maintenance, training	1	3	4	1	12							
Manipulation of equipment, cables, and probes in range A.		N	1	5	2	2	20		1	5	2	1	10							
Walking on level surfaces and up/down stairs	See **LS-JRA-0038** "Walking"																			
Use of non-powered hand tools for adjustment purposes	See **LS-JRA-0014** "Hand Tool Use"																			
	Electrical shock	N	1	4	4	2	32	Properly grounded equipment, proper equipment maintenance, training, insulated tools as required	1	4	3	1	12							
Manual lifting – material handling	See **LS-JRA-0018** "Manual Material Handling"																			
Use of meters and probes for electrical testing in range B	See **LS-JRA-0003** "Troubleshooting energized electrical equipment in range B"																			
Use of Hi-pot for di-electric break	Electrical Shock	N	2	2	4	3	48	Procedures, barriers, PPE, equipment	2	2	4	2	32							

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down tests	Electrocution	N	2	2	5	3	60	inspection, equipment maintenance	2	2	5	2	40							

Further Description of Controls Added to Reduce Risk:

***Risk:**	**0 to 20 Negligible**	**21 to 40 Acceptable**	**41 to 60 Moderate**	**61 to 80 Substantial**	**81 or greater Intolerable**